
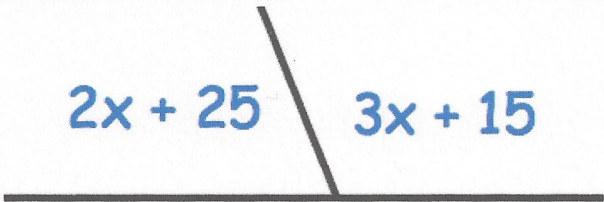
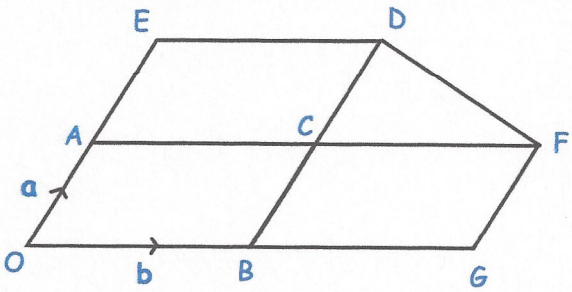


21st September		 Corbettmaths
Factorise $x^2 + 2x - 8$ $(x+4)(x-2)$	Factorise $x^2 - 2x - 3$ $(x-3)(x+1)$	
	Find the size of x $5x + 40 = 180$ $5x = 140$ $x = 28^\circ$	
James weighed 100kg. His target was to weigh 80kg or less. His weight decreased by 3% each month. $100 \times 0.97^6 \approx 83.297 \text{ kg}$	Has he achieved his target after six months? Show your workings.  <u>No</u>	
	B is the midpoint of OG. A is the midpoint of OE. $\vec{OA} = \mathbf{a}$ and $\vec{OB} = \mathbf{b}$	
Express in terms of a and b, the vector $\vec{OC}$ $\underline{a} + \underline{b}$	Express in terms of a and b, the vector $\vec{OG}$ $2\underline{b}$	